Project 3, if you are using Python, here is an example of a "tree-like" structure you can use to build the syntax tree.

Your tree can be a list of lists. The final list would be just the components of the Program node.

Here is some code and I used Python Tutor to visualize how it is built, it is a tree-like structure.

```
1  catNode = ["cat","char", 20, 21, "east"]
2  moveNode = ["move", "char", 4]
3  seqNode = [catNode,moveNode]
4  catNode = ["cat","beth", 40,35,"west"]
5  seqNode = [seqNode, catNode]
6  progNode = ["size", 30, 40, seqNode]
```
You don’t need the `catNode`, `moveNode` or `seqNode` once the references to them are stored in another list. So you can set them to None so you can see the picture of the tree (upside down) better.

```python
catNode = ["cat","char", 20, 21, "east"]
moveNode = ["move", "char", 4]
seqNode = [catNode, moveNode]
catNode = ["cat","beth", 40, 35,"west"]
seqNode = [seqNode, catNode]
progNode = ["size", 30, 40, seqNode]
catNode = None
moveNode = None
seqNode = None
```